

Claims:

1. Multi-cylinder stationary internal combustion engine for driving at least one generator for the production of electric current, characterized in that the internal combustion engine has a control device which selectively disconnects one or more cylinders during operation according to at least one control signal.
2. Internal combustion engine according to claim 1, characterized in that the control signal for cylinder disconnection depends on the load at the generator.
3. Internal combustion engine according to claim 1, characterized in that cylinder disconnection takes place at at least one cylinder by disconnecting the respective firing mechanism.
4. Internal combustion engine with a generator switch for coupling and uncoupling the generator respectively to and from at least one consumer according to claim 1, characterized in that the generator switch, when the generator is uncoupled, triggers a signal for the cylinder disconnection.
5. Internal combustion engine with a mechanical or hydraulic clutch coupling to the generator and a device for monitoring the coupling status according to one claims 1, characterized in that the device for monitoring the coupling status when the clutch coupling is opened, triggers a control signal for the cylinder disconnection.
6. Internal combustion engine with a control device which corresponds to a device for the measurement of the load change at the generator, according to claim 1, characterized in that the device for measuring the load change triggers a control signal for the cylinder disconnection.
7. Internal combustion engine according to claim 1, characterized in that the internal combustion engine has a control device for preventing explosions upon cylinder disconnection.
8. Internal combustion engine according to claim 1, characterized in that the internal combustion engine has a control device, the control device determining the number

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of cylinders to be disconnected according to the amplitude or the chronology of the load change.

9. Internal combustion engine according to claim 1, characterized in that the internal combustion engine has a control device which determines the chronology of the disconnection according to the amplitude and/or the chronology of the load change.
10. Internal combustion engine according to claim 1, characterized in that the internal combustion engine has a control device, this control device carrying out the reconnection of the disconnected cylinders after a certain period of time has elapsed.
11. Internal combustion engine according to claim 1, characterized in that the internal combustion engine has a control device, this control device carrying out the reconnection of the disconnected cylinders according to a control signal.
12. Internal combustion engine according to claim 1, characterized in that the internal combustion engine has a control device which carries out the reconnection of the disconnected cylinders according to the load change.
13. Internal combustion engine according to claim 1, characterized in that it is a gas engine.
14. Internal combustion engine according to claim 11, characterized in that the control signal is measured at the generator or at the internal combustion engine.
15. Internal combustion engine according to claim 12, characterized in that the load change is measured electrically or mechanically at the generator.

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